

Attorney Docket No. 07326-002003
Appl. No. 09/994,520
Preliminary Amendment dated August 1, 2003

Amendment to the Claims:

This listing of claims replaces all prior versions, and listings, of claims in the application:

1. (canceled)

2. (New) A system, comprising:

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a first housing having a data entry part allowing entry of data, a display part, allowing display of information, and a first wireless transceiver part, which communicates information, and

a second housing, separate from said first housing, and including a second wireless transceiver part, adapted to communicate with said first wireless transceiver part to exchange information therewith, said second housing including at least a video generation element which produces a video output including at least one synchronization signal, and sending said video output to said first housing to drive said display part to display information based on said video output with said at least one synchronization signal.

3. (New) A system as in claim 2, wherein said at least one synchronization signal includes at least one horizontal synchronization signal and one vertical synchronization signal.

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4. (New) A system as in claim 3, wherein said horizontal and vertical synchronization signals are respectively produced on different frequency channels.

5. (New) A system as in claim 2, wherein said video output includes analog video signals.

6. (New) A system as in claim 2, wherein said first and second wireless transceiver parts communicate via spread spectrum modulation.

7. (New) A system as in claim 2, wherein said at least one synchronization signal is contained within a same signal as said video output signal.

8. (New) A system as in claim 2, wherein said video output signal includes an RGB signal.

9. (New) A system as in claim 2, wherein said video generation element produces a digital signal with parallel bits, and converts said signal into a serial signal which is transmitted by said second wireless transceiver part to said digital first housing.

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10. (New) A system as in claim 2, wherein said video generation element produces information indicative of an image to be displayed on said display part, but sends only new picture information representing changes in a displayed image.

11. (New) A system as in claim 10, wherein said information is transmitted in bursts to update the display part during said bursts.

12. (New) A system as in claim 2, further comprising a third housing, also including a data entry part allowing entry of data, a display part allowing display of information and another wireless transceiver part communicating information, wherein said third housing also communicates information to said second housing and receives data from said second housing.

13. (New) A system, comprising:
a data entry part, allowing entry of data;
a display part, allowing display of information; and
a first wireless transceiver, allowing transmission of data entered by said data entry part to a remote processing terminal, and receiving video information from said remote processing

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terminal, said video information being indicative of information to be displayed on said display part, and including only parts of said information which have changed since a previous transmission.

14. (New) A system as in claim 13, further comprising a second processing unit, physically separated from said data entry part, said display part, and said first wireless transceiver, and communicating with said first wireless transceiver via a second wireless transceiver, said second processing unit including a video processing part which processes video information to produce an output indicative of said video information.

15. (New) A system as in claim 13, wherein said video information includes video synchronization information.

16. (New) A system as in claim 15, wherein said video synchronization information includes at least vertical synchronization information and horizontal synchronization information.

17. (New) A system as in claim 16, wherein said vertical

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synchronization information and horizontal synchronization information are respectively produced on separate frequency channels.

18. (New) A system as in claim 14, wherein said wireless transceiver and said second wireless transceiver communicate using spread spectrum modulation.

19. (New) A system as in claim 14, wherein said wireless transceiver produces a signal for said second wireless transceiver indicative of information entered on said data entry part.

20. (New) A system as in claim 13, wherein said data entry part includes a keyboard.

21. (New) A system as in claim 13, wherein said video information includes digital data in a serialized form.

22. (New) A method, comprising:

first interfacing with a first data entry device by sending information from a first data entry device wirelessly to a first processing unit which is remote from said first data entry

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device, and using said processing unit to create results from said information and to produce data indicative of a display based on said results and sending said data indicative of said display to said first data entry device to be displayed thereon;

second interfacing with a second data entry device by sending of information from the second data entry device wirelessly to said first processing unit and creating results from said information and producing data indicative of a display based on said results and sending said data indicative of said display to said second data entry device to be displayed thereon; and

operating a protocol driver which establishes priority of communication between said first and second data entry device and said processing unit.

23. (New) A method as in claim 22, wherein said first interfacing and said second interfacing each comprise sending data to the respective display indicative only of parts of the display which have changed since a last transmission.

24. (New) A method as in claim 22, wherein said data indicative of the display includes formatted display data.

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AI 25. (New) A method as in claim 23, further comprising updating displays of the first and second data entry devices in bursts of information.

26. (New) A method as in claim 22, wherein said first and second interfacing comprise communicating with the first and second data entry devices using spread spectrum modulation.

27. (New) A method as in claim 22, wherein said first interfacing and second interfacing comprises forming signals to be carried on multiple separate carrier frequencies.

28. (New) A method as in claim 24, wherein the formatted display data includes display data and synchronization information.

29. (New) A method as in claim 22, wherein said data indicative of the display includes video information and synchronization information.

30. (New) A method as in claim 22, wherein said first and second interfacing comprises modulating information on a wireless carrier.

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A1 31. (New) A system, comprising:
graphics processing element, having memory locations which
represent picture information to be displayed;
a display element, remote from said graphics processing
element, and displaying information based on said picture
information in said memory locations; and
a wireless communications system communicating information
between said graphics processing element and said display
element.

32. (New) A system as in claim 31, wherein said wireless
communications system communicates via spread spectrum
communication.

33. (New) A system as in claim 31, wherein said graphics
processing element operates to create digital parallel
information indicative of the graphic information, and to
convert said digital parallel information into serial
information, wherein said wireless communications system
transmits said serial information.